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10 APR 2003

L1	0 S BETA ACTIN CAP73
L2	9 S BETA CAP73
L3	3 DUP REM L2 (6 DUPLICATES REMOVED)

L Number	Hits	Search Text	DB	Time stamp
1	0	beta adj actin adj cap73	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/10 09:44
2	0	bcap73	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/10 09:44
3	0	\$cap73	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/10 09:44

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# NiceProt View of TrEMBL:

## Q8HYY4

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### General information about the entry

Entry name	Q8HYY4
Primary accession number	Q8HYY4
Secondary accession numbers	None
Entered in TrEMBL in	Release 23, March 2003
Sequence was last modified in	Release 23, March 2003
Annotations were last modified in	Release 24, June 2003

### Name and origin of the protein

Protein name	Beta-actin binding protein betaCAP73
Synonyms	None
Gene name	None
From	<i>Bos taurus</i> (Bovine) [TaxID: 9913]
Taxonomy	<a href="#">Eukaryota</a> ; <a href="#">Metazoa</a> ; <a href="#">Chordata</a> ; <a href="#">Craniata</a> ; <a href="#">Vertebrata</a> ; <a href="#">Euteleostomi</a> ; <a href="#">Mammalia</a> ; <a href="#">Eutheria</a> ; <a href="#">Cetartiodactyla</a> ; <a href="#">Ruminantia</a> ; <a href="#">Pecora</a> ; <a href="#">Bovoidea</a> ; <a href="#">Bovidae</a> ; <a href="#">Bovinae</a> ; <a href="#">Bos</a> .

### References

- [1] SEQUENCE FROM NUCLEIC ACID.  
 MEDLINE=21947821; PubMed=11950601; [NCBI, ExPASy, EBI, Israel, Japan]  
 Welch A.Y., Herman I.M.;  
 "Cloning and characterization of betaCAP73, a novel regulator of beta-actin assembly."  
 Int. J. Biochem. Cell Biol. 34:864-881(2002).

### Comments

None

### Cross-references

EMBL	AY152693; AAN74017.1; -. [EMBL / GenBank / DDBJ] [CoDingSequence]
InterPro	IPR002110; ANK. <a href="#">Graphical view of domain structure.</a>
Pfam	PF00023; ank; 6.
SMART	SM00248; ANK; 6.
PROSITE	PS50088; ANK_REPEAT; 5. PS50297; ANK_REP_REGION; 1.
ProDom	[ <a href="#">Domain structure</a> / <a href="#">List of seq. sharing at least 1 domain</a> ].
ProtoMap	Q8HYY4.
PRESAGE	Q8HYY4.
ModBase	Q8HYY4.
SWISS-2DPAGE	<a href="#">Get region on 2D PAGE.</a>

### Keywords

None

### Features

None

## Sequence information

Length: 1401 AA Molecular weight: 161298 Da CRC64: 429312A3F658546A [This is a checksum on the sequence]

10	20	30	40	50	60
MMSCWFSCAP	KNRQAADWNK	YDDRLMRAAE	RGDVEKVSSI	LAKKGVNPGK	LDVEGRSAFH
70	80	90	100	110	120
VVASKGNLEC	LNAILIHGVD	ITTSDTAGRN	ALHLAAKYGH	ALCLQKLLQY	NCPTEHVDLQ
130	140	150	160	170	180
GRTALHDAAM	ADCPSSIQLL	CDHGASVNAK	DVDGRTPLVL	ATQMCRPTIC	QLLIDRGADI
190	200	210	220	230	240
NSRDKQNRTA	LMLGCEYGCK	DAVEVLIKNG	ADVTLILDALG	HDSSYYARIG	DNLDILTLLK
250	260	270	280	290	300
TASENSNKGR	ELWKKGPSLQ	QRNLSQMLDE	VNTKSNQREH	QNIQDLEIEN	EDLKERLRKI
310	320	330	340	350	360
QQEQRILLDK	VNGLQLQLNE	EVMVADDLES	EKEKLKSLLA	AKEKQHEESL	RTIEALKSRF
370	380	390	400	410	420
KYFESDHLGS	GSHFRKEDML	LKQGQMYMTD	SQCTSTGMPV	HMQSRSMLRP	LELALPNQAS
430	440	450	460	470	480
YSENEILKKE	LEAMRTFCDS	AKQDRLKLQN	ELAHKVAECK	ALALECERVK	EDSDEQIKQL
490	500	510	520	530	540
EDALKDVQKR	MYESEGVKQ	MQTHFLALKE	HLTSDAATGN	HLMEELKDQ	LKDMKVKEYG
550	560	570	580	590	600
ASAEVGKLRN	QIKQNEMLVE	EFKRDEGKLM	EENKRLQKEL	SMCELEREKR	GRKLTEMEGQ
610	620	630	640	650	660
LKDLSAKLAL	SIPAEKFENM	KSLLSNELNE	KAKKLIDVER	EYERSLNETR	PLKRELENLK
670	680	690	700	710	720
AKLAQHVKPE	EHEQLKSRLE	QKSGELGKRI	TELTSKNQTL	QKEIEKVCLD	NKLLTQQVNN
730	740	750	760	770	780
LTTEMKNHYV	PLKVSEEMKK	SHDIVVDDLN	KKLSDVTHKY	TEKKLEMEKL	LMENASLSKN
790	800	810	820	830	840
VSRLETVFIP	PERHEKEMMA	LKSNITELKK	QLSELNKKCG	EDQEKIYSLM	SENNDLKKTW
850	860	870	880	890	900
SHQYVPVKTH	BBIKTALSST	LDKTNRELVD	VKKKCEDINQ	EFVKIKDENE	ILKRNLENTQ
910	920	930	940	950	960

```

      |      |      |      |      |      |
NQVKA EYISL REHEEKMSGL RKSMKKVQDN SAEILAKYKK SQEEIVTLHE EIAAQKRELD
      |      |      |      |      |      |
      970      980      990      1000      1010      1020
      |      |      |      |      |      |
TIQECIKLKY APIISLEECE RKFKATEKEL KEQLSQQTQK YNTSEEEAKK CKQENDKLKK
      |      |      |      |      |      |
      1030      1040      1050      1060      1070      1080
      |      |      |      |      |      |
EILTLQKDLK DKNVHIENSY ETERALSRT EELNRQLKDL LQKYTEAKKE KEKLVEENAK
      |      |      |      |      |      |
      1090      1100      1110      1120      1130      1140
      |      |      |      |      |      |
QTSEILAAQT LLQKQHVPLE QVESLKKSLS GTIETLKEEL KTKQRCYEKE QQTVTQLRQM
      |      |      |      |      |      |
      1150      1160      1170      1180      1190      1200
      |      |      |      |      |      |
LENQKNSSVP LAEHLQVKEA FEKEVGIIKA SLREKEEESQ NKTEEVSKLQ SEIQNTKQAL
      |      |      |      |      |      |
      1210      1220      1230      1240      1250      1260
      |      |      |      |      |      |
KKLETREVD LSKYKATKSD LETQISDLNE KLANLNRYE EVCEEVLHAK KKELSAKDEK
      |      |      |      |      |      |
      1270      1280      1290      1300      1310      1320
      |      |      |      |      |      |
ELLHFSIEQE IKDQQERC DK SLTTITELQR RIQESAKQIE AKDNKITELL NDVERLKQAL
      |      |      |      |      |      |
      1330      1340      1350      1360      1370      1380
      |      |      |      |      |      |
NGLSQLTYGS GSPSKRQSQL IDSLQQQVRS LQQQLADADR QHQEVIAIYR THLLSAAQGH
      |      |      |
      1390      1400
      |      |
MDEDVQAALL QIIQMRQGLV C

```

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